

WHAT IS CLAIMED IS:

1 A method of fabricating an optical film, comprising:
5 preparing a substrate;
rubbing the alignment layer; and
10 forming a liquid crystal layer on the alignment layer that includes an additive.
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2. The method according to claim 1, wherein forming the liquid crystal layer comprises
coating a liquid crystal including the additive and plasticizing the liquid crystal on the
substrate.
3. The method according to claim 2, wherein plasticizing the liquid crystal including the
additive on the substrate uses one of ultraviolet rays or heat.
4. The method according to claim 1, wherein the additive is a surfactant.
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5. The method according to claim 4, wherein the additive has both a hydrophobic group and a
hydrophilic group.
6. The method according to claim 5, wherein the additive includes dimethylsiloxane.
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7. The method according to claim 1, wherein the liquid crystal layer is a cholesteric liquid
crystal layer.

8. The method according to claim 1, wherein the liquid crystal layer is a nematic liquid crystal layer.
- 5 9. The method according to claim 1, wherein the liquid crystal layer is a smectic liquid crystal layer.

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